

Interoffice Memorandum

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To: Dan Even

Subject: **Monthly Report – June 1997
Product Development
& Engineering**

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ORTHODONTIC PRODUCTS

RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS

CustomRx CUSTOM LABIAL APPLIANCE SYSTEM (Project 853-E Craig Andreiko/Eric Chapoulaud)

a. Lab Reopening (Craig Andreiko)

1) Accomplishments / Status

- ☒ A set of 5x5 Jigs have been manufactured after accuracy improvement of the manufacturing software. These jigs have been manually mounted with to their respective brackets. This case reveals good fit accuracy to the model.
- ☒ The next step is to attach the brackets to the jigs. For that purpose, we cannot easily use the old Elan vanilla brackets. We think that the attachment would be best with a cylindrical vertical slot. We have decided to create these brackets by software and use the Rapid prototyping machine to manufacture them.
- ☒ Software modules to create brackets from the dimensions, torque, In/out and RIS was started from a previous prototype written in 1995.

2) Goals For July

- ☐ Improve the bracket design software and manufacture brackets with cylindrical vertical slot.
- ☐ Creation of 5x5 case of Jigs and brackets.

3) Major Project Milestones

- ◎ 3D JIG Design review: 8/31/97

b. 3D Digitizing (Eric Chapoulaud)

1) Accomplishments / Status

- ☒ No development was done this month.

2) Goals For July

- ☐ No development is anticipated this month.

3) Major Project Milestones

- ◎ Mandibular jaw of the PK Thomas model scanned: August 97.

c. Bracket Fabrication (Eric Chapoulaud)

1) Accomplishments / Status

- ☒ Continued producing parts with the MM6 Pro.

2) Goals For July

- ☐ Training at SANDERS for E. Chapoulaud and L. Phaneuf.
- ☐ Installation of the MMII, upgrade version of the MM6 Pro. Upgrade of the SANDERS software.

3) Major Project Milestones

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